

MARPOL® Homo 35.0

Marco Polo International, LLC - Polypropylene Homopolymer

Thursday, January 4, 2024

General Information

Product Description Additives: None

Recommended Applications: Large thin wall parts, caps, and closures.

Homo 35.0 complies with all applicable FDA regulations for food contact.

General			
Material Status	Commercial: Active		
Availability	 Africa & Middle East Asia Pacific	EuropeLatin America	North America
Features	Additive Free	Food Contact Acceptable	Homopolymer
Uses	• Caps	• Closures	Thin-walled Parts
Agency Ratings	FDA Food Contact		

ASTM & ISO Properties ¹				
Physical	Nominal Value	Unit	Test Method	
Density	0.905	g/cm ³	ASTM D1505	
Melt Mass-Flow Rate (230°C/2.16 kg)	30	g/10 min	ASTM D1238	
Mechanical	Nominal Value	Unit	Test Method	
Tensile Modulus	1450	MPa	ASTM D638	
Tensile Strength (Yield)	33.1	MPa	ASTM D638	
Tensile Elongation (Yield)	12	%	ASTM D638	
Flexural Modulus	1520	MPa	ASTM D790	
Impact	Nominal Value	Unit	Test Method	
Notched Izod Impact (23°C)	21	J/m	ASTM D256A	
Unnotched Izod Impact (23°C)	850	J/m	ASTM D4812	
Hardness	Nominal Value	Unit	Test Method	
Rockwell Hardness (R-Scale)	104		ASTM D785	
Thermal	Nominal Value	Unit	Test Method	
Deflection Temperature Under Load			ASTM D648	
0.45 MPa, Unannealed	116	°C		
Melting Temperature	166	°C	DSC	

Notes

¹ Typical properties: these are not to be construed as specifications.



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